

PTO/SB/08a (07-09)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/589,377-Conf. #7109
				Filing Date	August 14, 2006
				First Named Inventor	Daniel J. Arriola
				Art Unit	1796
Examiner Name	J. S. Lenihan				
Attorney Docket Number	63558D				
Sheet	1	of	8		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-5,391,629	02-21-1995	Turner et al.	
	AB*	US-6,566,446	05-20-2003	Parikh et al.	
	AC*	US-3,873,642-A	03-25-1975	Jezl	
	AD*	US-5,468,810-A	11-21-1995	Hayakawa et al.	
	AE*	US-5,594,080-A	01-14-1997	Waymouth et al.	
	AF*	US-5,610,253-A	03-11-1997	Hatke et al.	
	AG*	US-5,733,980-A	03-31-1998	Cozewith et al.	
	AH*	US-5,798,420-A	08-25-1998	Cozewith et al.	
	AI*	US-5,969,070-A	10-19-1999	Waymouth et al.	
	AJ*	US-6,114,457-A	09-05-2000	Markel et al.	
	AK*	US-6,147,180-A	11-14-2000	Markel et al.	
	AL*	US-6,262,203-B1	07-17-2001	Chien et al.	
	AM*	US-6,566,544-B1	05-20-2003	Waymouth et al.	
	AN*	US-20040121922	06-24-2004	Okada et al.	
	AO*	US-20030027954	02-06-2003	Becke et al.	
	AP*	US-20040092662	05-13-2004	Goto et al.	
	AQ*	US-6,187,424	02-13-2001	Kjellqvist et al.	
	AR*	US-6,197,404	03-06-2001	Varona	
	AS*	US-6,362,252	03-26-2002	Prutkin	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO-95/27746-A1	10-19-1995	Exxon Chemical Patents Inc		✓
	BB	WO-95/27745-A1	10-19-1995	Exxon Chemical Patents Inc		
	BC	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc		
	BD	WO-9935171-A1	07-15-1999	Univ Leland Stanford Junior et al.		
	BE	WO-0037514-A1	06-29-2000	Exxon Chemical Patents Inc		
	BF	WO-02/066540-A2	08-29-2002	Basell Poliolefine Spa et al.		

Examiner Signature	/Jeffrey Lenihan/	Date Considered	12/10/2009
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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).

Dated: October 21, 2009

Electronic Signature for Jennifer Adamson: /Jennifer Adamson/

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				Art Unit	1796
				Examiner Name	J. S. Lenihan
Sheet	2	of	8	Attorney Docket Number	63558D

U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
	AT*	US-6,537,472	03-25-2003	Masubuchi	
	AU*	US-6,815,023	11-09-2004	Tatarka et al.	
	AV*	US-7,005,395	02-28-2006	Zafiroglu et al.	
	AW*	US-20030195128	10-16-2003	Deckman et al.	
	AX*	US-20030216518	11-20-2003	Tau et al.	
	AY*	US-20040082750	04-29-2004	Tau et al.	
	AZ*	US-20040192147	09-30-2004	Smith et al.	
	AA1*	US-20050009993	01-13-2005	Morioka et al.	
	AB1*	US-20060030667	02-09-2006	Yalvac et al.	
	AC1*	US-20040158011	08-12-2004	Jain et al.	
	AD1*	US-20080299857	12-04-2008	Harding et al.	
	AE1*	US-5,624,991	04-29-1997	Harada et al.	
	AF1*	US-6,160,029	12-12-2000	Chaudhary et al.	
	AG1*	US-6,455,638	09-24-2002	Laughner et al.	
	AH*	US-2,073,344	02-28-1964		
	AI*	US-4,146,492	03-27-1979	Cusano et al.	
	AJ1*	US-4,299,931	11-10-1981	Coran et al.	
	AK1*	US-4,429,079	01-31-1984	Shibata et al.	
	AL1*	US-4,510,031	04-09-1985	Matsumura et al.	

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		Country Code ⁵ -Number ⁴ -Kind Code ⁶ (if known)				
	BG	WO-03014046-A1	02-20-2003	Bp Chem Int Ltd et al.		
	BH	EP-0274906-A2	07-20-1988	Mitsubishi Petrochemical Co		
	BI	EP-0958313B1-A1	11-24-1999	Exxon Chemical Patents Inc		
	BJ	EP-1262498-A2	12-04-2002	Mitsui Chemicals Inc		
	BK	JP-2002-206007A-A	07-26-2002	Nat Inst Of Adv Ind & Technol et al.		
	BL	JP-2004-204058A-A	07-22-2004	Mitsui Chemicals Inc		

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	AM1*	US-4,780,228	10-25-1988	Gardiner et al.	
	AN1*	US-5,068,047	11-26-1991	Chung et al.	
	AO1*	US-5,266,626	11-30-1993	Hert et al.	
	AP1*	US-5,322,728	06-21-1994	Davey et al.	
	AQ1*	US-5,597,881	01-28-1997	Winter et al.	
	AR1*	US-5,783,531	07-21-1998	Andrew et al.	
	AS1*	US-5,916,953	06-29-1999	Jacoby et al.	
	AT1*	US-6,025,448	02-15-2000	Swindoll et al.	
	AU1*	US-6,096,668	08-01-2000	Abuto et al.	
	AV1*	US-6,121,402	09-19-2000	Machida et al.	
	AW1*	US-6,136,937	10-24-2000	Lai et al.	
	AX1*	US-4,798,081	01-17-1989	Hazlitt et al.	
	AY1*	US-6,008,262	12-28-1999	McKay et al.	
	AZ1*	US-2,007,432	08-22-1964		
	AA2*	US-5,868,984	02-09-1999	Winter et al.	
	AB2*	US-5,892,076	04-06-1999	Nickias	
	AC2*	US-5,994,255	11-30-1999	Nickias et al.	
	AD2*	US-6,323,284	11-27-2001	Peacock	
	AE2*	US-20030088037	05-08-2003	Stevens et al.	

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		Country Code ⁵ -Number ⁴ -Kind Code ⁶ (if known)				
	BM	EP-1026184-A1	08-09-2000	Grand Polymer Co Ltd		
	BN	WO-05/090426-A1	09-29-2005	Dow Global Technologies Inc et al.		
	BO	EP-02070322-A1	07-22-2000	Symrise GmbH & Co Kg		
	BP	EP-0877050-A2	11-11-1998	Dow Chemical Co		
	BQ	JP-2004204058-A	07-22-2004	Mitsui Chemicals Inc		
	BR	WO-2004046214-A2	06-03-2004	Exxonmobil Chem Patents Inc et al.		

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		Number-Kind Code ² (if known)			
	AF2*	US-20030195308	10-16-2003	Waymouth et al.	
	AG2*	US-6,380,341	04-30-2002	Waymouth et al.	
	AH2*	US-20020107341	08-08-2002	Murray et al.	
	AI2*	US-20020161141	10-31-2002	Mawson et al.	
	AJ2*	US-20040044154	03-04-2004	Kuo et al.	
	AK2*	US-20030153689	08-14-2003	Mehta et al.	
	AL2*	US-20030114623	06-19-2003	Mitani et al.	
	AM2*	US-6,169,151	01-02-2001	Waymouth et al.	
	AN2*	US-5,210,338	05-11-1993	Samsel	
	AO2*	US-5,276,220	01-04-1994	Samsel et al.	
	AP2*	US-6,444,867	09-03-2002	Samsel et al.	
	AQ2*	US-3,970,719	07-20-1976	Edmonds, Jr.	
	AR2*	US-4,039,632	08-02-1977	Edmonds, Jr.	
	AS2*	US-4,971,936	11-20-1990	Wilson et al.	
	AT2*	US-5,089,573	02-18-1992	Job	
	AU2*	US-5,118,767	06-02-1992	Job	
	AV2*	US-5,118,768	06-02-1992	Job et al.	
	AW2*	US-5,134,209	07-28-1992	Job et al.	
	AX2*	US-5,229,477	07-20-1993	Job et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BS	WO-9849211-A1	11-05-1998	Dow Chemical Co et al.		
	BT	WO-03022890-A1	03-20-2003	Exxonmobil Chem Patents Inc et al.		
	BU	EP-1197500-A1	04-17-2002	Mitsui Chemicals Inc		
	BV	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc		
	BW	EP-470171-A1	02-12-1992	Shell Oil Co		
	BX	EP-500530-A1	09-02-1992	Shell Oil Co		

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		Country Code ³ -Number ⁴ Kind Code ⁵ (if known)				
	BY	WO-90/12816-A1	11-01-1990	Shell Oil Co		
	BZ	WO-91/00875-A1	01-24-1991	Shell Oil Co		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	LIEBER SuSANNA ET AL: "Propene polymerization with catalyst mixtures containing different ansa-zirconocenes: chain transfer to alkylaluminum cocatalysts and formation of stereoblock polymers" MACROMOLECULES; MACROMOLECULES Dec 2000 ACS, Washington, DC. USA, vol 33, no. 25, December 2000 (2000-12), Pages 9192 - 9199	
	CB	PRZYBYLA. FINK: "Two Different on the same silica supported metallocene catalysts, activated by various trialkylaluminums" ACTA POLYMERICA, vol. 50, 21 April 1999 (1999-04-21), pages 73-83.	
	CC	CHIEN JAMES C W ET AL: "Homogeneous binary zirconocenium catalysts for propylene polymerization. II. Mixtures of isospecific and syndiospecific zirconocene systems" J POLYM SCI PART A; POLYMER CHEMISTRY 1999 JOHN WILEY & SONS INC. NEW YORK, NY USA. vol 37, no. 17, 1999. pages 2439 - 2445	
	CD	TANIM B S ET AL: "Blends of single-site linear and branched polyethylene. I. Thermal characterization" POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V., GB. vol 42, no 12, June 2001 (2001-06), pages 5389 - 52399	
	CE	STARCK P ET AL "Thermal properties of ethylene/long chain alpha olefin copolymers produced by metallocenes" JANUARY 2002 (2002-01), EUROPEAN POLYMERS JOURNAL, PERAMON PRESS, LONDON, GB, pages 97 - 107	
	CF	YOON J-S ET AL: "Thermal and mechanical properties of ethylene/alpha-olefin copolymers produced over (2-MeInd) 2ZrC12/MAO system" June 2000 (2000-06), POLYMER ELSEVIER SCIENCE PUBLISHERS B.V. GB. pages 4523 4530.	
	CG	BRUASETH I ET AL: "Crystallization analysis fractionation of ethene/1-hexene copolymers made with the MAO-activated dual-site (1,2,4-Me3Cp)....." October 2004 (2004-10), POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V. GB. pages 7853 - 7861.	
	CH	GRAEF S M ET AL: "Copolymerization of propylene with higher alpha-olefins in the presence of the syndiospecific catalysts i-Pr (Cp) (9-Flu)....." 1 January 2002, J POLYM SCI PART A; JOURNAL OF POLYMER vol. 40, no. Pages 128 - 140	
	CI	ROSTHAUSER J W ET AL: "MECHANICAL AND DYNAMIC MECHANICAL PROPERTIES OF POLYURETHANE AND POLYURETHANE/POLYUREA ELASTOMERS BASED ON 4, 4-DIISOCYANATODICYCLOHEXYL METHANE" 2 May 1997 (1997-05-02) JOURNAL OF APPLIED POLYMER SCIENCE, JOHN WILEY AND SONS INC. NEW YORK, NY, US. pages 957 - 970	
	CJ	BASAK SHAM: "Zurcon Z20/Z22" 10 August 2002 (2002-08-10), BASAK SHAMM BAN, CRISSER, the whole document	

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	CK	Coates, Hustad, and Reinartz in Angew. Chem. Int. Ed. 41, 2236-2257 (2002);	
	CL	Liu and Rytter, Macromolecular Rapid Comm. 22,952-956 (2001);	
	CM	Bruaseth and Rytter, Macromolecules 36, 3026 -3034 (2003);	
	CN	[S]oares and Kim (J. Polym. Sci. Part A: Polym Chem, 38, 1408 -1432 (2000)	
	CO	Heiland and Kamisky (Makromol. Chem. 193, 601-610 (1992);	
	CP	Polym. Sci. Part A Polym. Chem 37, 2439-2445 (1999);	
	CQ	Makromol. 66,6447-6456 (1997);	
	CR	Pzbyla and Fink (Acta Polym., 50-77-88 (1999);	
	CS	Lieber And Brinzinger (Macromol. 3, 0402-0409 (2000);	
	CT	Rytter, et al. Polymer. 45, 7853-7861.	

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PTO/SB/08b (07-09)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/589,377-Conf. #7109
				Filing Date	August 14, 2006
				First Named Inventor	Daniel J. Arriola
				Art Unit	1796
				Examiner Name	J. S. Lenihan
Sheet	8	of	8	Attorney Docket Number	63558D

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CU	JAC, 2004, 126, 10701 - 10712, Gibson et al	
	CV	Office Communication dated 13.05.2009 to Vereenigde from EPO; 2 pages	
	CW	Office Action dated 17.04.2008 to Vereenigde from EPO ; 3 pages.	
	CX	Response to Office Action dated January 19, 2009 from Vereenigde to EPO; regarding EPO office Action sent to Vereenigde dated April 17, 2008.	

Examiner Signature	/Jeffrey Lenihan/	Date Considered	12/10/2009
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